

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) An abrasion-resistant wiring, cable and/or tubing cover comprising:
 - a monofilament yarn forming a first weft in a crocheted fabric cloth in a non-spiral configuration with respect to a longitudinal axis of the cover;
 - a first multifilament yarn forming a second weft in said crocheted fabric cloth in a non-spiral configuration with respect to said longitudinal axis; and
 - a set of knitted warps including a plurality of textured second multifilament yarns forming a chain stitch lap in said crocheted fabric cloth and having fused ends;wherein said first and second wefts passing uncut across the knitted warps at the width ends of said crocheted fabric cloth and forming the selvage thereof, said crocheted fabric cloth is heat set into a resilient and abrasion-resistant wiring, cable and/or tubing cover.
2. (previously presented) The abrasion-resistant wiring, cable and/or tubing cover of claim 1 wherein said monofilament yarn is selected from the group consisting of a polyester yarn, a polyamide yarn, a polyethylene terephthalate yarn, a polyphenylene

sulfide yarn, a polyphenylene sulfide with polytetrafluoroethylene yarn and a polyester over polyamide yarn.

3. (previously presented) The abrasion-resistant wiring, cable and/or tubing cover of claim 2 wherein said monofilament yarn comprises a Nylon 6/6 yarn having a diameter in the range of 7 to 15 mils.

4. (previously presented) The abrasion-resistant wiring, cable and/or tubing covering of claim 1 wherein said first multifilament yarn comprises a textured multifilament yarn.

5. (previously presented) The abrasion-resistant wiring, cable and/or tubing cover of claim 4 wherein said textured multifilament is selected from the group consisting of a polyamide yarn, a polyester yarn, a synthetic aromatic polyamide/melamine-formaldehyde based fiber blend yarn and a stainless steel/polyester blend yarn.

6. (previously presented) The abrasion-resistant wiring, cable and/or tubing cover of claim 5 wherein said first multifilament yarn comprises a Nylon 6/6 yarn having a denier in the range of about 1000D–2000D.

7. (cancelled)

8. (previously presented) The abrasion-resistant wiring, cable and/or tubing cover of claim 1 wherein said second multifilament yarn is selected from the group consisting of a polyamide yarn, a polyester yarn, a synthetic aromatic polyamide/melamine-formaldehyde based fiber blend yarn and a stainless steel/polyester blend yarn.

9. (previously presented) The abrasion-resistant wiring, cable and/or tubing cover of claim 8 wherein said second multifilament yarn comprises a Nylon 6/6 yarn having a denier of in the range of about 100D-400D.

10. (currently amended) The abrasion-resistant wiring, cable and/or tubing cover of claim 1 further comprising a set of placed warps including a plurality of third multifilament yarns forming a lay-in stitch lap in said crocheted fabric cloth.

11. (previously presented) The abrasion-resistant wiring, cable and/or tubing cover of claim 10 wherein said third multifilament yarn comprises a textured multifilament yarn.

12. (previously presented) The abrasion-resistant wiring, cable and/or tubing cover of claim 11 wherein said third multifilament yarn is selected from the group consisting of a polyamide yarn, a polyester yarn, and a synthetic aromatic polyamide/melamine-formaldehyde based fiber blend yarn.

13. (previously presented) The abrasion-resistant wiring, cable and/or tubing cover of claim 12 wherein said third multifilament yarn comprises a Nylon 6/6 yarn having a denier in the range of about 50D-400D.

14. (currently amended) The abrasion-resistant wiring, cable and/or tubing cover of claim 1 further comprising a set of placed warps including a plurality of yarns forming a lay-in stitch lap in said crocheted fabric cloth, wherein said yarn is a monofilament yarn having a polyethylene terephthalate core with a polyester covering.

15. (previously presented) The abrasion-resistant wiring, cable and/or tubing cover of claim 1 wherein said monofilament yarn, said first multifilament yarn and said second multifilament yarn are treated with a flame-retardant composition to provide a self-extinguishing, no-burn-rate tubular sleeve.

16. (currently amended) An abrasion-resistant wiring, cable and/or tubing cover comprising:

a Nylon 6/6 monofilament yarn having a diameter of about 10 mils forming a first weft in a crocheted fabric cloth in a non-spiral configuration with respect to a longitudinal axis of the cover;

a first Nylon 6/6 textured multifilament yarn having a denier of about 2000D forming a second weft in said crocheted fabric cloth in a non-spiral configuration with respect to said longitudinal axis; and

a set of knitted warps including a plurality of second Nylon 6/6 textured multifilament yarns having a denier of about 400D forming a chain stitch lap in said crocheted fabric cloth and having fused ends;

wherein said first and second wefts passing uncut across the knitted warps at the width ends of said crocheted fabric cloth and forming the selvage thereof, said crocheted fabric cloth is heat set into a resilient and abrasion-resistant wiring, cable and/or tubing cover.

17. (currently amended) The abrasion-resistant wiring, cable and/or tubing cover of claim 16 further comprising a set of placed warps including a plurality of third Nylon 6/6 textured multifilament yarns having a denier of about 100D forming a lay-in stitch lap in said crocheted fabric cloth.

18. (previously presented) The abrasion-resistant wiring, cable and/or tubing cover of claim 16 wherein said Nylon 6/6 monofilament yarn includes an inner core of Nylon 6/6 and an outer shell of a polyester.

19. (currently amended) A flame-retardant, abrasion-resistant wiring, cable and/or tubing cover comprising:

a flame-retardant polyethylene terephthalate monofilament yarn having a diameter of about 10 mils forming a first weft in a crocheted fabric cloth in a non-spiral configuration with respect to a longitudinal axis of the cover;

a flame-retardant polyester textured multifilament yarn having a denier of about 2000D forming a second weft in said crocheted fabric cloth in a non-spiral configuration with respect to said longitudinal axis; and

a set of knitted warps including a plurality of second flame-retardant polyester textured multifilament yarns having a denier of about 400D forming a chain stitch lap in said crocheted fabric cloth and having fused ends;

wherein said first and second wefts passing uncut across the knitted warps at the width ends of said fabric cloth and forming the selvage thereof, said fabric cloth is heat set into a resilient, flame-retardant and abrasion-resistant wiring, cable and/or tubing cover.

20. (currently amended) The flame-retardant, abrasion-resistant wiring, cable and/or tubing cover of claim 19 further comprising a set of placed warps including a plurality of third flame-retardant polyester textured multifilament yarns having a denier of about 100D forming a lay-in stitch lap in said crocheted fabric cloth.

21. (currently amended) A high-temperature, abrasion-resistant wiring, cable and/or tubing cover comprising:

a polyphenylene sulfide monofilament yarn having a diameter of about 10 mils forming a first weft in a crocheted fabric cloth in a non-spiral configuration with respect to a longitudinal axis of the cover;

a first synthetic aromatic polyamide/melamine-formaldehyde based fiber textured blend multifilament yarn having a denier of about 2000D forming a

second weft in said crocheted fabric cloth in a non-spiral configuration with respect to said longitudinal axis; and

a set of knitted warps including a plurality of second synthetic aromatic polyamide/melamine-formaldehyde based fiber textured blend multifilament yarns having a denier of about 400D forming a chain stitch lap in said crocheted fabric cloth and having fused ends;

wherein said first and second wefts passing uncut across the knitted warps at the width ends of said fabric cloth and forming the selvage thereof, said crocheted fabric cloth is heat set into a resilient, high-temperature and abrasion-resistant wiring, cable and/or tubing cover.

22. (currently amended) The high-temperature, abrasion-resistant wiring, cable and/or tubing cover of claim 21 further comprising a set of placed warps including a plurality of third synthetic aromatic polyamide/melamine-formaldehyde based fiber textured multifilament blend yarns having a denier of about 100D forming a lay-in stitch lap in said crocheted fabric cloth.

23. (previously presented) The high-temperature, abrasion-resistant wiring, cable and/or tubing cover of claim 21 wherein said polyphenylene sulfide monofilament yarn is a polyphenylene sulfide with polytetrafluoroethylene monofilament yarn.

24. (currently amended) A shielded, abrasion-resistant wiring, cable and/or tubing cover comprising:

a Nylon 6/6 monofilament yarn having a diameter of about 10 mils forming a first weft in a crocheted fabric cloth in a non-spiral configuration with respect to a longitudinal axis of the cover;

a first stainless steel/polyester blend multifilament yarn having a denier of about 2000D forming a second weft in said crocheted fabric cloth in a non-spiral configuration with respect to said longitudinal axis; and

a set of knitted warps including a plurality of stainless steel polyester blend multifilament yarns having a denier of about 400D forming a chain stitch lap in said crocheted fabric cloth and having fused ends; and

a set of placed warps including a plurality of polyester textured multifilament yarns having a denier of about 100D forming a lay-in stitch lap in said fabric cloth;

wherein said first and second wefts passing uncut across the knitted warps at the width ends of said crocheted fabric cloth and forming the selvage thereof, said crocheted fabric cloth having filaments in a said non-spiral configuration is heat set into a resilient, shielded and abrasion-resistant wiring, cable and/or tubing cover.

25. (cancelled)

26. (currently amended) The shielded, abrasion-resistant wiring, cable and/or tubing cover of claim 24 further comprising a set of placed warps including a plurality of monofilament yarns having a polyethylene terephthalate core with a polyester covering and a diameter of about 10 mils forming a lay-in stitch lap in said crocheted fabric cloth.

27. (previously presented) The shielded, abrasion-resistant wiring, cable and/or tubing cover of claim 24 wherein said Nylon 6/6 monofilament yarn includes a inner core of Nylon 6/6 and an outer shell of polyester.

28. (withdrawn) A method of forming an abrasion resistant tubular sleeve comprising:

preparing a fabric cloth by chain-stitching a first set of multifilament warps on a set of wefts including a monofilament weft and a multifilament weft;

positioning said fabric onto over a mandrel to form a tubular fabric sleeve;

and

resiliently setting said tubular fabric sleeve on said mandrel.

29. (withdrawn) The method of claim 28 wherein resiliently setting said tubular fabric sleeve comprises heating and subsequently cooling said tubular fabric sleeve on said mandrel.

30. (withdrawn) The method of claim 28 further comprising preparing said fabric cloth by lay-in stitching a second set of multifilament warps on said set of wefts.